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(71) Applicant (for all designated States except US): R.B.T
(RAKUTO BIO TECHNOLOGIES) LTD. [IL/IL]; c/o
Yozmot HaEmek, P.O. BOX 73, 10 550 Migdal Haemek
(IL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BELINKY, Paula
[IL/IL]; 25 Hanarkis Street, 10 292 Metulla (IL). LASSER,
Haim [IL/IL]; 12 Moran Street, 44 288 Kfar Saba (IL).
DOSORETZ, Carlos [IL/IL]; 59 Nativ Hasyarim Street,
21 998 Carmiel (IL).

(74) Agent: G. E. EHRLICH (1995) LTD.; 11 Menachem Be-
gin Street, 52 521 Ramat Gan (IL).

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ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,
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ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: METHODS OF PRODUCING LIGNIN PEROXIDASE AND ITS USE IN SKIN AND HAIR LIGHTENING

(57) Abstract: Methods of producing lignin peroxidase are provided. Also provided are methods and cosmetic compositions suitable for skin and hair lightening as well as kits and an article-of-manufacturing including active ingredients for skin and hair lightening.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL03/01055

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 7/135; C07K 1/00; C09B 29/00, 67/02; C12N 1/20, 9/00, 9/08; C12P 21/04; C12Q 1/68,
US CL : 8/524,525,641; 424/ 62; 435/6, 71.1, 183, 192, 252.3; 530/350; 534/845

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 8/524,525,641; 424/ 62; 435/6, 71.1, 183, 192, 252.3; 530/350; 534/845

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
IUBMB, REGISTRY

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 3,251, 742 A SOLOWAY, S) 17 May 1966, (17.05.1966), Entire document, especially Claims 1-6	1, 6-20
Y	US 6,732,464 B1 (YAYER et al.) 16 April 2002 (16.04.2002), Entire document, especially,	1-50
Y	US 5,486,214 A (PASZCZYNSKI et al.) 23 January 1996 (23 01. 1996), Entire document.	1-68
Y	US 5,342, 765 A (IRVINE et al.) 30 August 1994 (30.08.1994), Entire Document, Especially Abstract, Example 1, Claims 1-10	51-60

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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Facsimile No. (703) 305-3230

Authorized officer

Dr. Kailash C. Srivastava

Telephone No. (571)-272-0700

Continuation of B. FIELDS SEARCHED Item 3:

USPT, PGPB, EPAB, JPAB, DWPI, BIOSIS, BIOTECHNO, CAPLUS, CEABA-VTB, CONFSCI, EMBASE, ESBIODASE, FEDRIP, FOMAD, FROSTI, HCAPLUS, IFIPAT, JICST-EPLUS, KOSMET, LIFESCI, MEDLINE, PROMPT, RDISCLOSURE, SCISEARCH, USPATFUL, WPIDS.

Search Strategy:

Lignin peroxidase, laccase, manganese peroxidase, ligninase, ligninolytic enzymes, isoenzymes, white rot fungi, Phaenerochaete chrysosporium, Lentinus, mushroom, dye, hair, cosmetics, product\$, hair, keratin, skin, dyeing.